

CURRICULUM VITAE

Ahmed Khalifa Aly Mehanna

**Lecturer, Marine Engineering Department, Faculty of Engineering
Arab Academy for Science, Technology & Maritime Transport (AASTMT)**

Personal Data:

Name Ahmed Khalifa Aly Mehanna
Nationality Egyptian
Date of Birth 23rd June, 1982
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Degrees, Field, Institutions and Date:

- **Ph. D.** in Marine Engineering, Port-Said University, Port Said, Egypt, 2015.
Thesis title: "Modelling of Oil Spill Damage Assessment in Marine Environment".
- **M. Sc.** in Marine Engineering, AASTMT, Alexandria, Egypt, February 2009.
Thesis titl: "Update Development of Design Aspects of Bulk Carriers".
Overall Grade Point Average: 4.0 (Excellent with honor)
- **B.Sc.** in Marine Engineering, AASTMT, Alexandria, Egypt, February 2005,
Overall Grade Point Average: 3.87 (Excellent with honor)
Graduation Project title: "Air Conditioning System for Offshore Rigs".
Grade: (EXCELLENT With 97%).
- **Third Engineer Certificate, July 2005.**
According to Standards of Training, Certification and Watch keeping "STCW/95.

Experience:

- Arab Academy for Science and Technology and Maritime Transport as a part time teacher assistance from February 2006 in the Department of Mechanical & Marine Engineering, a full time teacher assistance from September 2007, and Assistance Lecturer from October 2010 in the Department of Marine Engineering - Assisted in teaching:

- Naval Arch.& Ship Construction
 - Ship Resistance & Powering
 - Shipyard Technology
 - Ship Design
 - Ship Propulsion systems
 - Marine Diesel Engines (1)
 - Marine Diesel Engines (4)
 - Hydraulics
 - Fluid Mechanics
 - Maritime Law
- Participated in three TEMPUS Project:
- Clean Energy and Research in Environmental Studies (CERES) - 517401-2011- ES
 - Academic-Industry Partnership towards Development of Trainers and Educators for Technicians in Egypt (AIP) - 544014-2013-ES
 - Sustainable Ways to Increase higher education students' equal access to learning environments (SWING) - 543716-2013-UK
- Attending summer training in Petrojet Company, 2004.
- Attending workshop's sessions at the AASTMT, 2002 and 2003.
- Cadet Engineer, 2002.

Finished my practical seagoing term of 6 months with AIDA IV, the Arab Academy's practical training ship, where the different skills of watch keeping, marine engineering, marine diesel, fire prevention and detection, marine safety on a marine facility with hands-on practical approach have been introduced and enforced all along the different trips in the Red Sea and the Mediterranean Sea (toward Lebanon). This qualifies me for the Third Engineer Officer Certificate of Competency Exam.

Research and Publications

- Mehanna, Ahmed Kh, Hegazy, E. H., Mohamed Y. Omar, Heba Elkilani, and Amr A. Hassan. "Modelling of Coral Reefs Damage Assessment in Egypt". International Marine and Offshore Engineering Conference IMOC 2014, 3-4 September, 2014, El-Jubail Industrial City, Kingdom of Saudi Arabia
- Hegazy, E. H., Ahmed Kh Mehanna, Mohamed Y. Omar, Heba Elkilani, and Amr A. Hassan. "Coral Reefs Damage Assessment due to Oil Pollution in Egyptian Water." Applied Mechanics and Materials 522 (2014): 725-728.
- Mehanna, Ahmed Kh, Hegazy, E. H., Mohamed Y. Omar, Heba Elkilani, and Amr A. Hassan. "Modelling of Oil Spill Impacts on Shoreline in Egypt", Developments in Maritime Transportation and Exploitation of Sea Resources - IMAM 2013 Conference, 14-17 October 2013, A Coruña, Spain.
- Mehanna, Ahmed Khalifa and Hegazy, Elsayed Hussein. "Proposed Design Formulae for Bulk Carriers". Faculty of Engineer Journal, January 2009. Port Said, Suez Canal University, Egypt.

Courses:

- Training on Accessibility Centres for Disable Students at EUROTraining, Greece, 2014
- Attending Course for Assistive Technology for Disable Students at Alicante University, 2014.
- Advanced training course on Solar and Biomass Energy at Staffordshire, University, UK, 2013.
- Certificates for Marine Course in 2005, issued from the "AASTMT", according to STCW/95.
 - Advanced Course in Fire Prevention & Fire Fighting.
 - Medical First Aid.
 - Prevention and Combating of Marine Pollution.
 - Personal Safety and Social Responsibilities.
 - Personal Survival Techniques and Search and Rescue.

Highlights of Qualifications:

Personnel Skills:

- Excellent communication skills, ability to work under pressure, able to learn new tasks quickly, good presentation skills, ability to work individually and as a co-operative team member and leadership skills.

Language Skills:

- Arabic mother tongue.
- English very good spoken, reading and written.

Computer Skills:

- ICDL, AutoCAD, HVAC Load Explorer, and MATHLAB.

Honors:

- First of the class at graduation, February 2005.
- Dean's list of first highest GPA, award certificate of admiration for this achievement.
- The prize for the best graduate achieving of "Mechanical & Marine Engineering Department, AASTMT" of the year 2004/2005.

Activities:

- Professional member in Egyptian Engineering Society
- Hobbies: Travailing, Reading, Swimming and playing foot-ball.